



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

US/09/303,232 B

Source:

160001

Date Processed by STIC:

4/27/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/303,232 B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ **Wrapped Nucleics
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ **Misaligned Amino
Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ **PatentIn 2.0
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ **Skipped Sequences
(OLD RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO: X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ **Skipped Sequences
(NEW RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
<210> sequence id number
<400> sequence id number
000
- 9 ☐ **Use of n's or Xaa's
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ **Invalid <213>
Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☒ **Use of <220>** Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



1600

RAW SEQUENCE LISTING

DATE: 04/27/2004

PATENT APPLICATION: US/09/303,232B

TIME: 09:24:33

Input Set : A:\Mo5176new.txt

Output Set : N:\CRF4\04272004\I303232B.raw

2 <110> APPLICANT: Bayer Aktiengesellschaft
 4 <120> TITLE OF INVENTION: Nucleic Acids which encode
 5 insect acetylcholine receptor subunits
 7 <130> FILE REFERENCE: Le A 33 020-Foreign Countries
 9 <140> CURRENT APPLICATION NUMBER: US/09/303,232B
 10 <141> CURRENT FILING DATE: 1999-04-30
 12 <150> PRIOR APPLICATION NUMBER: DE 198 19 829.9
 13 <151> PRIOR FILING DATE: 1998-05-04
 15 <160> NUMBER OF SEQ ID NOS: 14
 17 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
 Corrected Diskette Needed

(Pg. 1-5)

ERRORED SEQUENCES

1038 <210> SEQ ID NO: 9
 1039 <211> LENGTH: 32
 E--> 1040 <212> TYPE: 212> DNA — see pg. 4
 1041 <213> ORGANISM: Artificial Sequence
 1043 <220> FEATURE:
 1044 <223> OTHER INFORMATION: Primer
 1046 <400> SEQUENCE: 9
 1047 gcgaattcac caccatgaaa aatgcacaac tg 32
 1051 <210> SEQ ID NO: 10
 1052 <211> LENGTH: 27
 E--> 1053 <212> TYPE: 212> DNA — Same error
 1054 <213> ORGANISM: Artificial Sequence
 1056 <220> FEATURE:
 1057 <223> OTHER INFORMATION: Primer
 1059 <400> SEQUENCE: 10
 1060 cgagacaata atatgtggtg cctcgag 27
 1064 <210> SEQ ID NO: 11
 1065 <211> LENGTH: 41
 E--> 1066 <212> TYPE: 212> DNA — Same error
 1067 <213> ORGANISM: Artificial Sequence
 1069 <220> FEATURE:
 1070 <223> OTHER INFORMATION: Primer
 1072 <400> SEQUENCE: 11
 1073 gcaagcttac caccatggga ggtagagcta gacgctcgca c 41
 1077 <210> SEQ ID NO: 12
 1078 <211> LENGTH: 29
 E--> 1079 <212> TYPE: 212> DNA — Same error
 1080 <213> ORGANISM: Artificial Sequence
 1082 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 04/27/2004

PATENT APPLICATION: US/09/303,232B

TIME: 09:24:33

Input Set : A:\Mo5176new.txt

Output Set: N:\CRF4\04272004\I303232B.raw

1083 <223> OTHER INFORMATION: Primer
1085 <400> SEQUENCE: 12
1086 gcctcgagcg acaccatgat gtgtggcgc 29
1090 <210> SEQ ID NO: 13
1091 <211> LENGTH: 27
E--> 1092 <212> TYPE: 212> DNA — Same error
1093 <213> ORGANISM: Artificial Sequence
1095 <220> FEATURE:
1096 <223> OTHER INFORMATION: Primer
1098 <400> SEQUENCE: 13
1099 gcaagcgccg ctatggcccc tatgttg 27
1103 <210> SEQ ID NO: 14
1104 <211> LENGTH: 29
E--> 1105 <212> TYPE: 212> DNA — Same error
1106 <213> ORGANISM: Artificial Sequence
1108 <220> FEATURE:
1109 <223> OTHER INFORMATION: Primer
1111 <400> SEQUENCE: 14
1112 ttgcacgatg atatgcggtg cctcgagcg 29

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/303,232B

DATE: 04/27/2004

TIME: 09:24:34

Input Set : A:\Mo5176new.txt

Output Set: N:\CRF4\04272004\I303232B.raw

L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0 ✓
L:1034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0 ✓
L:1040 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: ✓
L:1053 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: ✓
L:1066 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: ✓
L:1079 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: ✓
L:1092 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: ✓
L:1105 M:310 E: (3) Wrong or Missing Sequence Type, TYPE: ✓

↑
Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa.

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Page 4

<210> 9

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 9

gcgaattcac caccatgaaa aatgcacaac tg

32

please correct to
<212>

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Page 5

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (6)
<223> i

<400> 7
gaygtngayg araaraayca

— please explain,
mandatory, if <213> is
Artificial/unknown, please
explain in section
response
<220>-<223>

20

<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (9)
<223> i

<400> 8
cyyttrtcng crctrttrta

↑ please see item # 11
on error summary sheet.

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